

MAGTF Planner's Reference Manual



MAGTF Staff Training Program
(MSTP)

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MAGTF Planner's Reference Manual

This pamphlet supports the academic curricula of the Marine Air Ground Task Force Staff Training Program (MSTP).

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UNITED STATES MARINE CORPS
MSTP Center (C 467) MCCDC
3300 Russell Road
Quantico, Virginia 22134-5069

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FOREWORD

1. PURPOSE. The *MAGTF Planner's Reference Manual* provides general planning considerations and planning factors that may be helpful to a Marine air-ground task force (MAGTF) staff during the conduct of planning.

2. SCOPE. This manual is intended for use by MAGTF staffs. It is designed to facilitate the planning effort by presenting general planning factors and considerations that may be used in an operational planning team. This manual does not negate the need for a careful mission, enemy, terrain and weather, troops available, and time available (METT-T) analysis. The data presented in the manual is intended to be a starting point only, and should be tailored to satisfy the requirements identified in the METT-T analysis.

3. SUPERSESSION. MSTP Pamphlet 5-0.3 of 3 December 1999.

4. CHANGES. Recommendations for improvements to this pamphlet are encouraged from commands as well as from individuals. The attached User Suggestion Form can be reproduced and forwarded to:

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5. CERTIFICATION. Reviewed and approved this date.

D. R. AHLE
Colonel, U.S. Marine Corps
Director
MAGTF Staff Training Program Center
Marine Corps Combat Development Command
Quantico, Virginia

Throughout this pamphlet, masculine nouns and pronouns are used for the sake of simplicity. Except where otherwise noted, these nouns and pronouns apply to either sex.

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Part I

Organizations

1001. Marine Expeditionary Force and Major Subordinate Command Locations

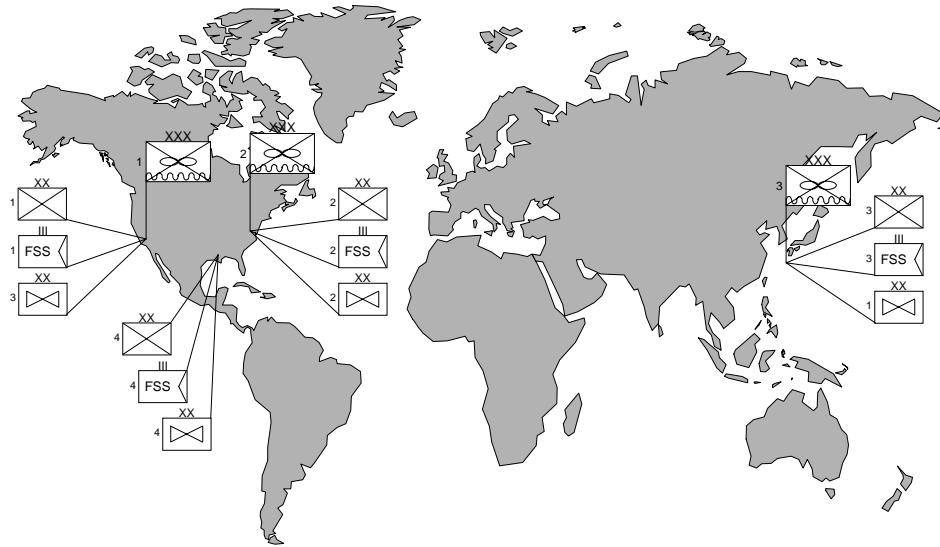


Figure 1-1. Marine expeditionary force and major subordinate command locations.

a. Infantry and Artillery Regiment Locations

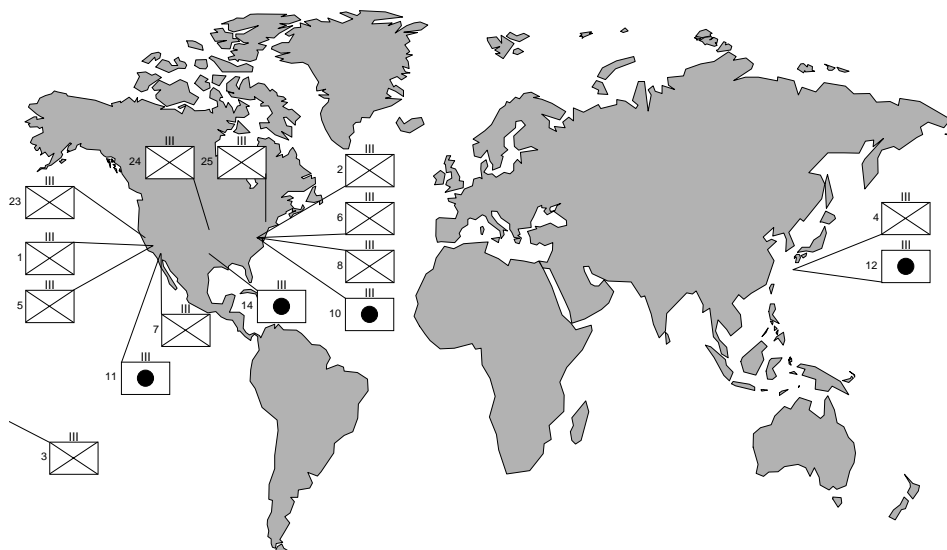


Figure 1-2. Infantry and artillery regiment locations.

b. Aviation Group Locations

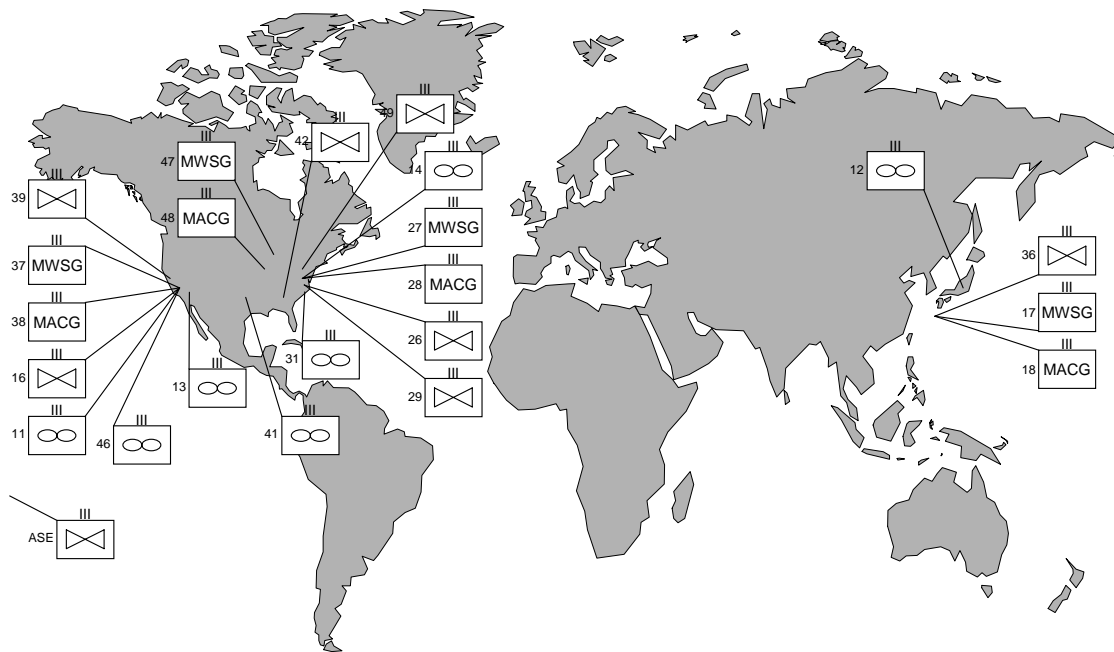


Figure 1-3. Aviation group locations.

1002. Marine Corps Component Locations

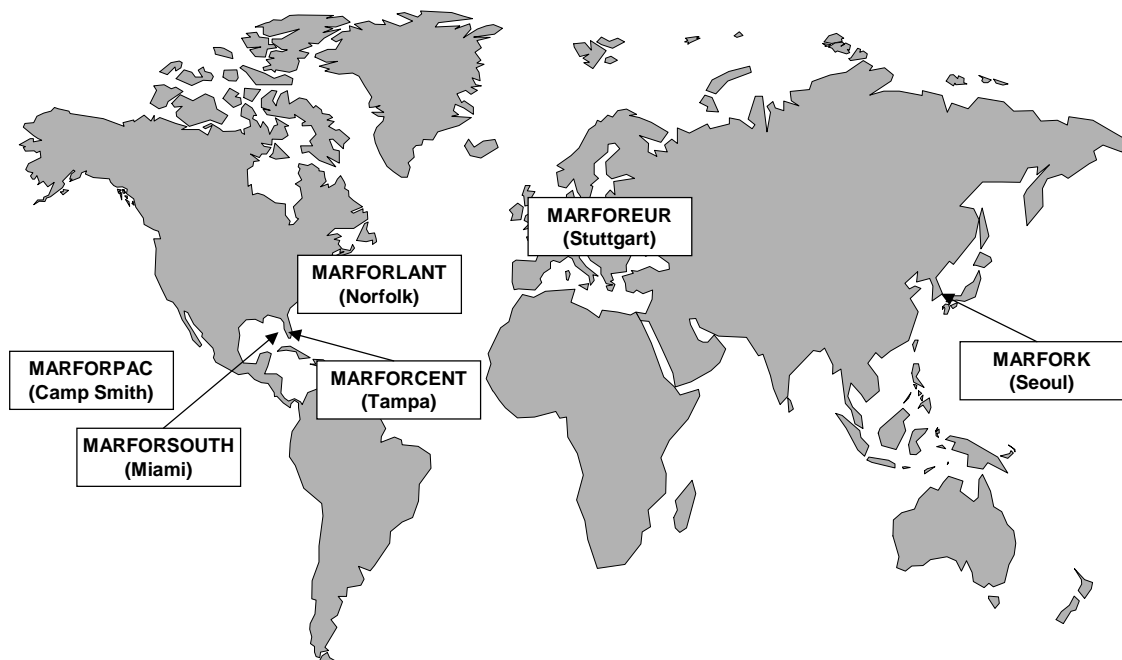


Figure 1-4. Marine Corps component locations.

1003. Marine Corps Forces Atlantic Organization

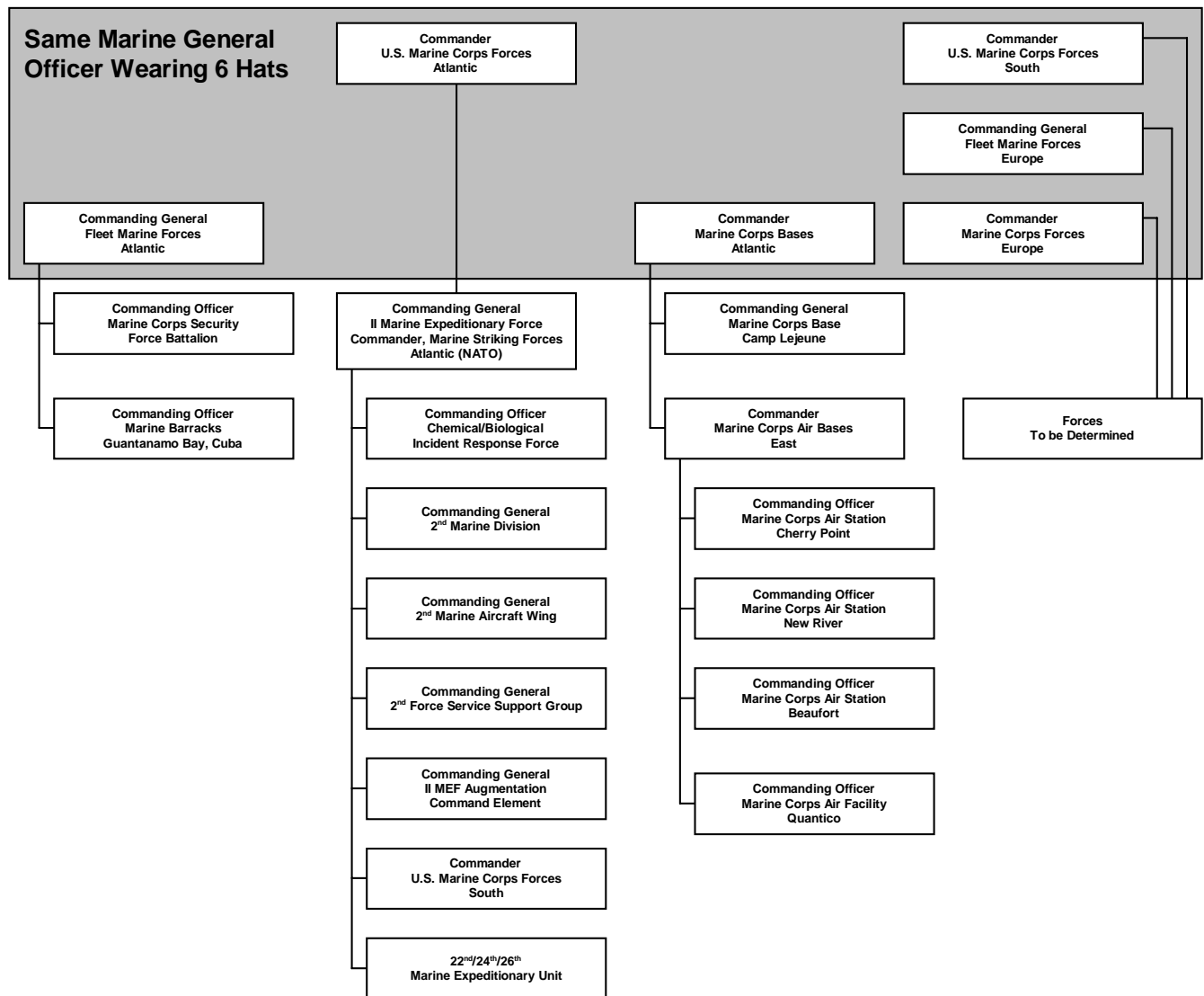


Figure 1-5. Marine Corps Forces Atlantic organization.

1004. Marine Corps Forces Pacific Organization

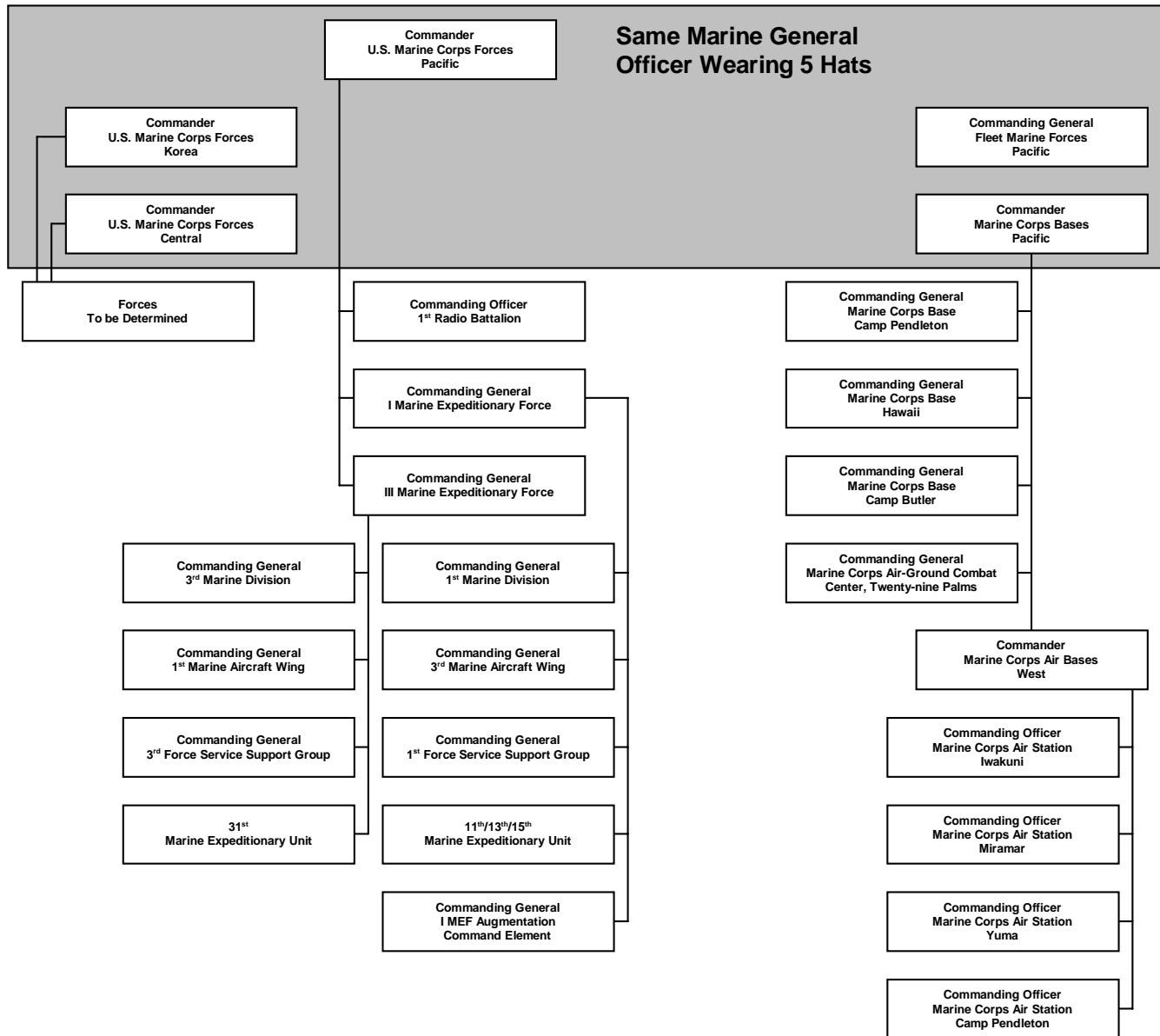


Figure 1-6. Marine Corps Forces Pacific organization.

1005. I Marine Expeditionary Force Organization

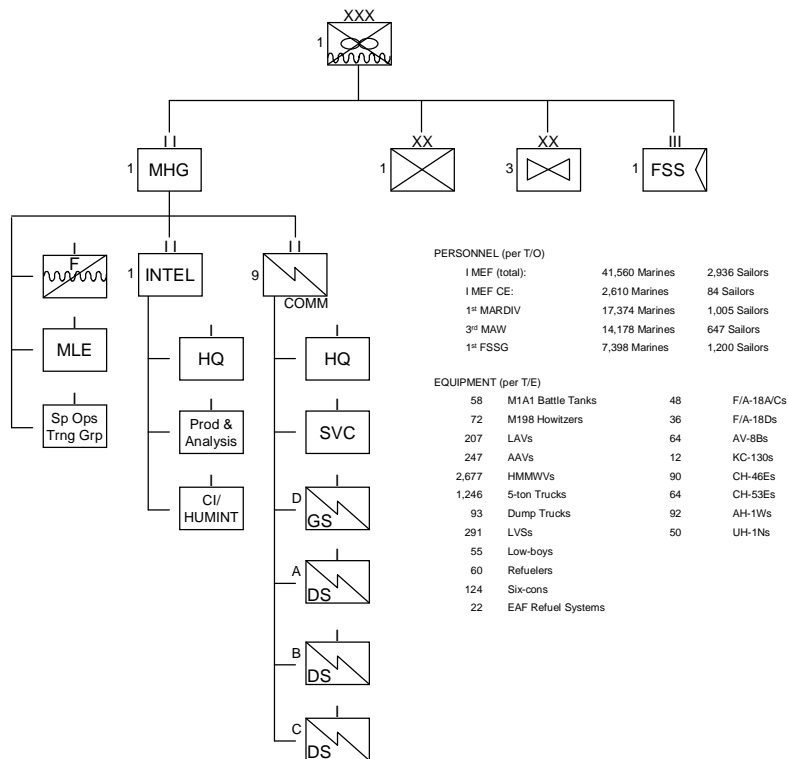


Figure 1-7. I Marine Expeditionary Force organization.

a. 1st Marine Division

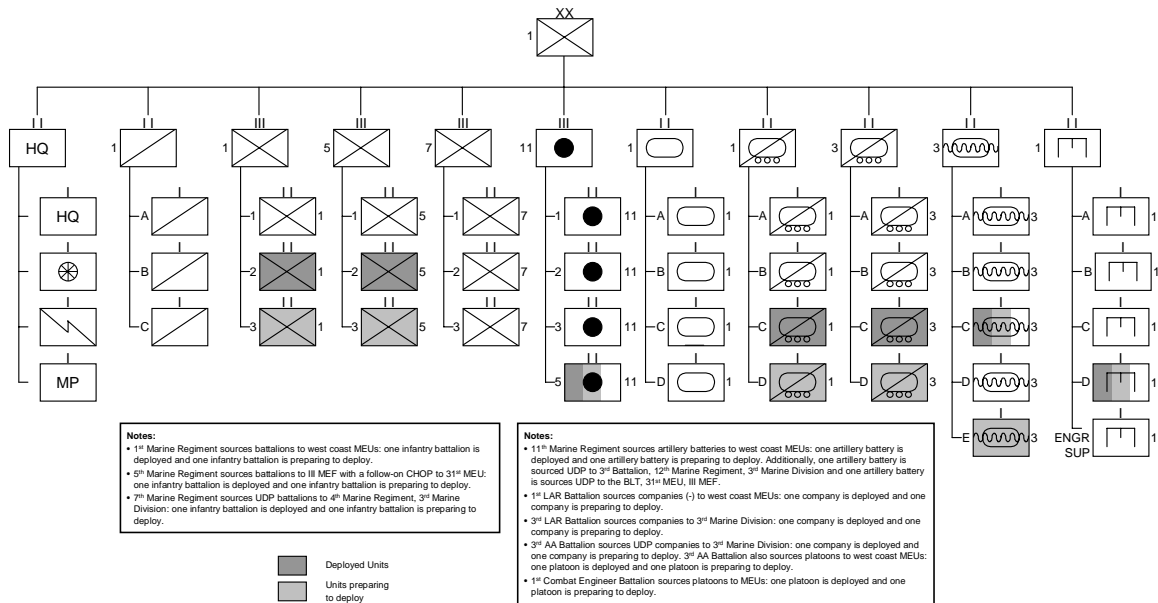


Figure 1-8. 1st Marine Division organization.

b. 3rd Marine Aircraft Wing

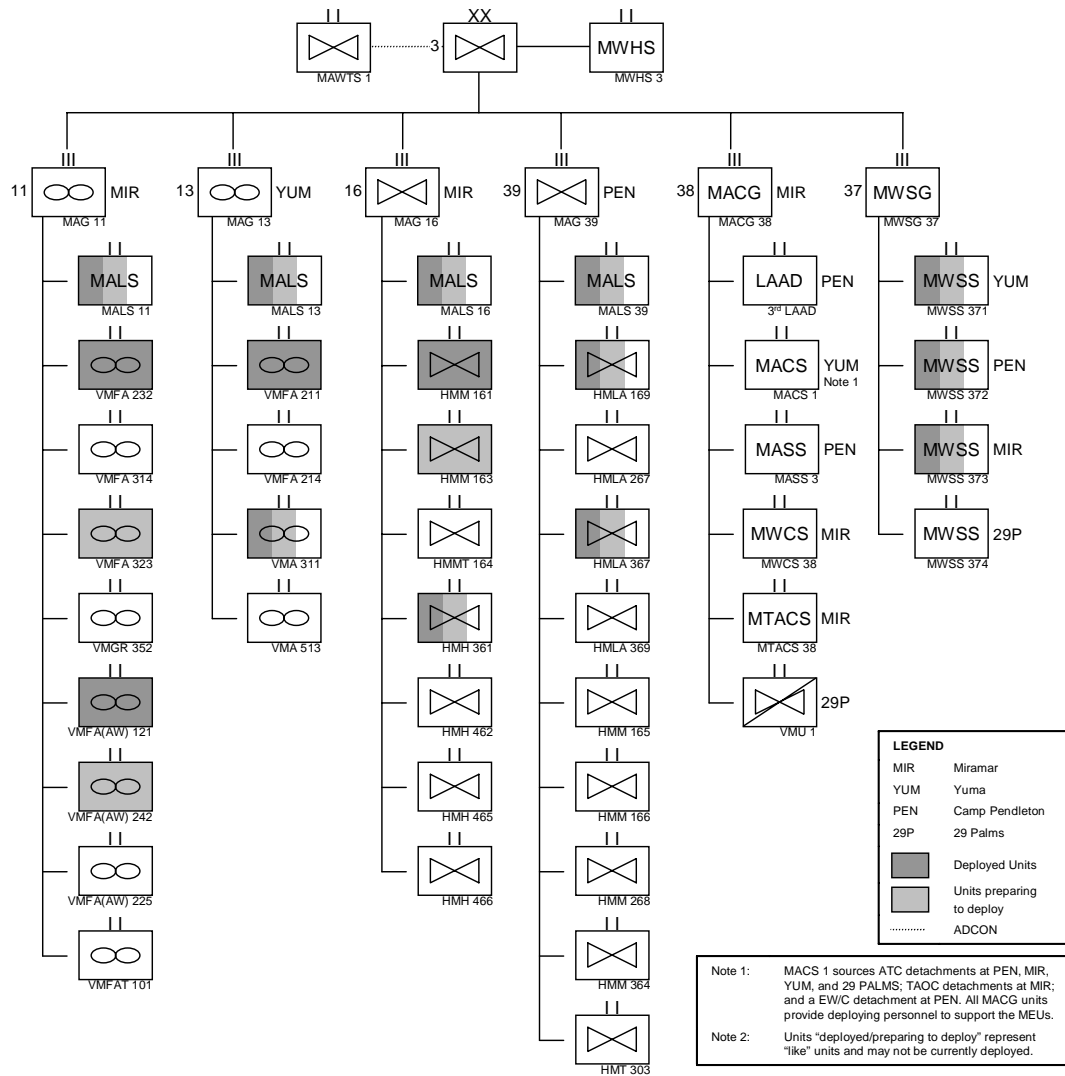


Figure 1-9. 3rd Marine Aircraft Wing organization.

c. 1st Force Service Support Group

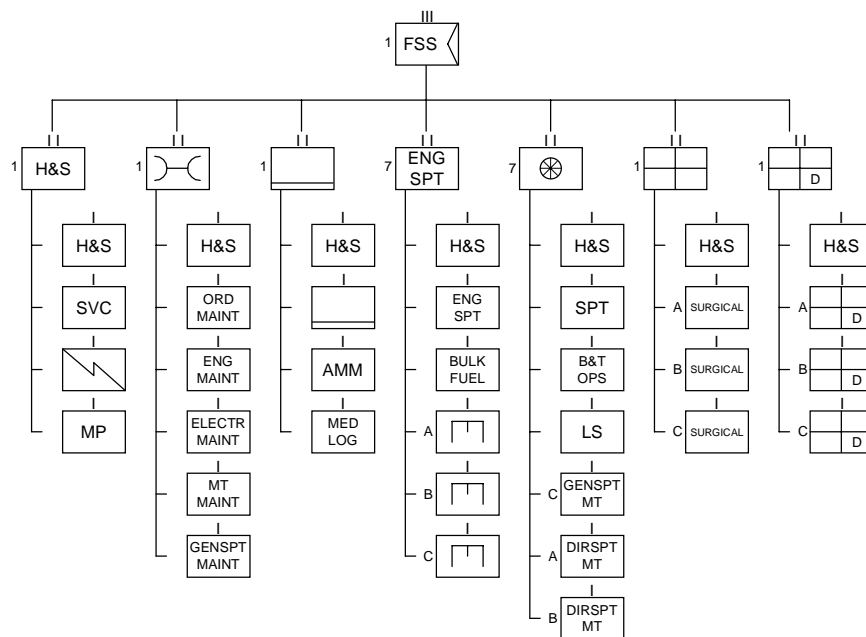


Figure 1-10. 1st Force Service Support Group organization.

1006. II Marine Expeditionary Force Organization

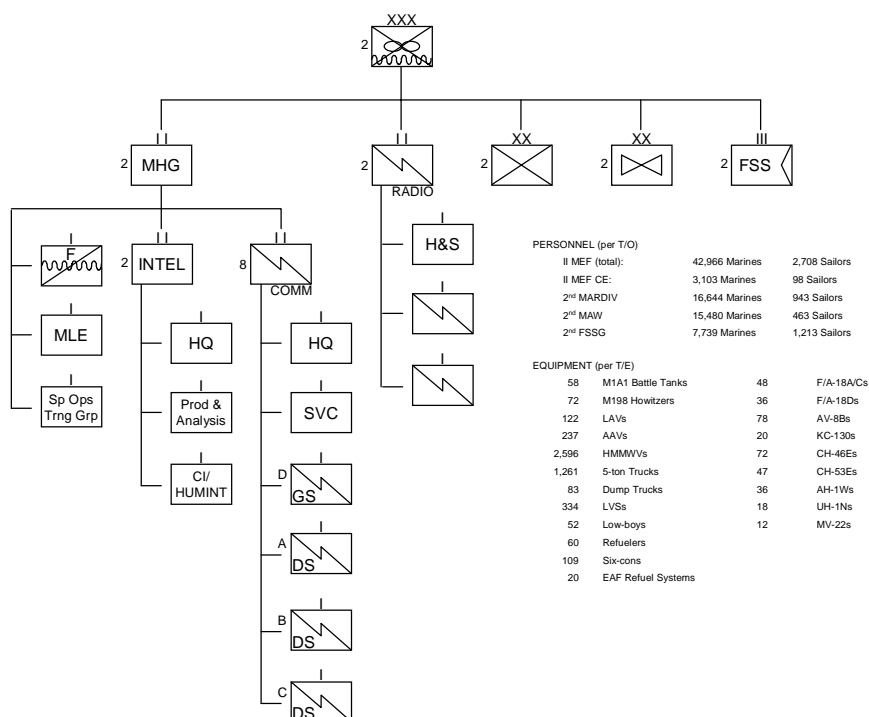


Figure 1-11. II Marine Expeditionary Force organization.

a. 2nd Marine Division

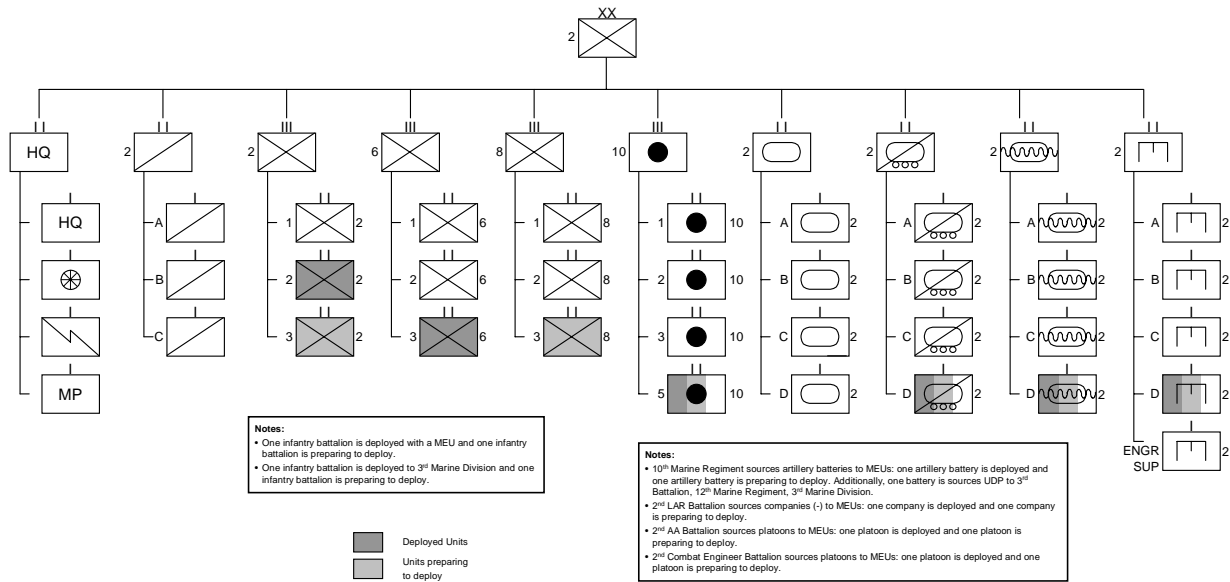


Figure 1-12. 2nd Marine Division organization.

b. 2nd Marine Aircraft Wing

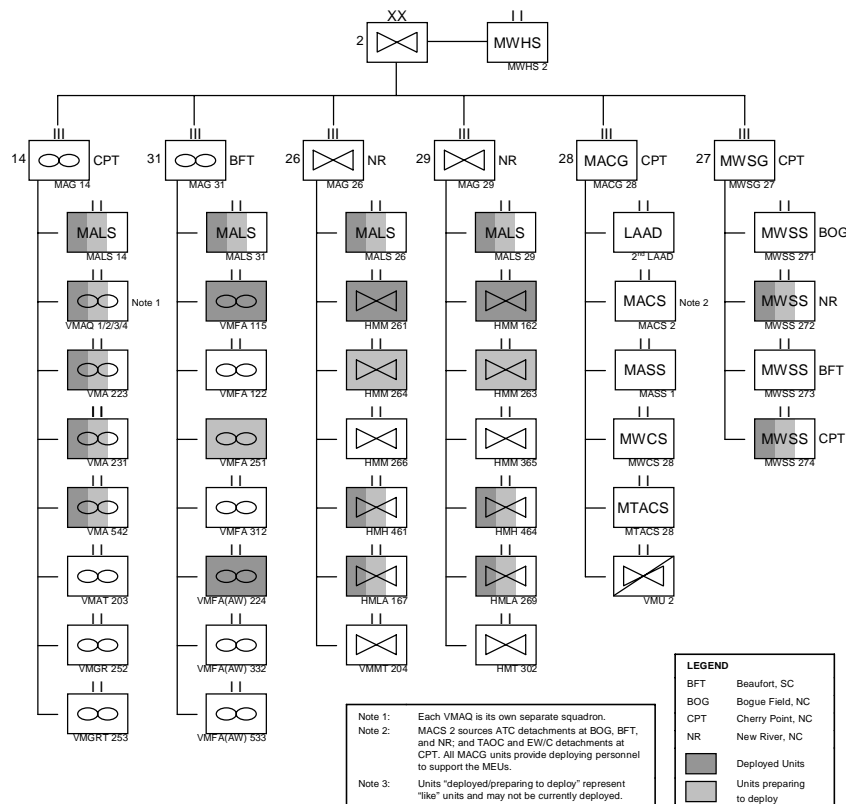


Figure 1-13. 2nd Marine Aircraft Wing organization.

c. 2nd Force Service Support Group

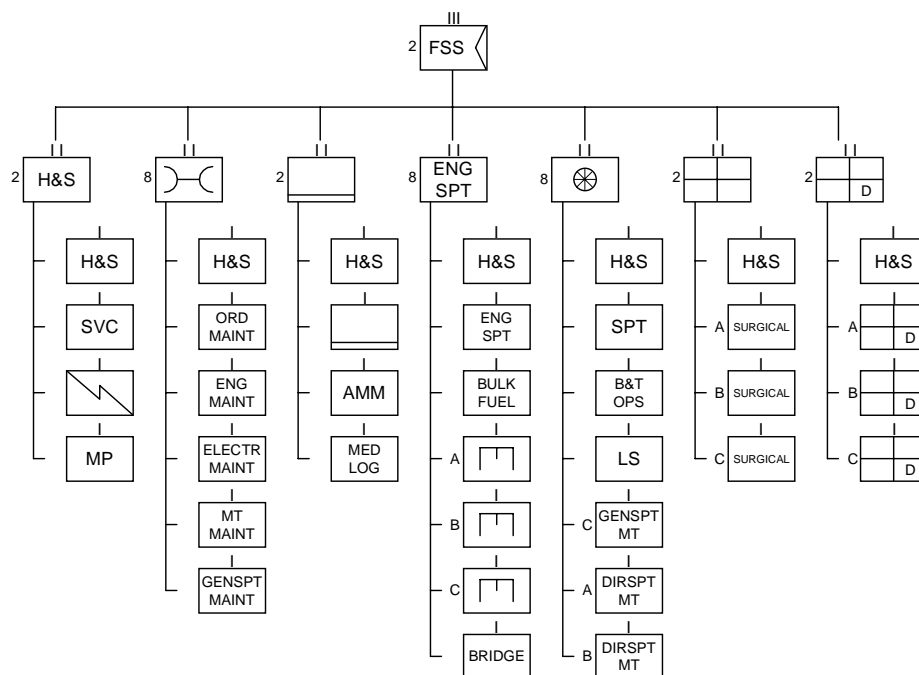


Figure 1-14. 2nd Force Service Support Group organization.

1007. III Marine Expeditionary Force Organization

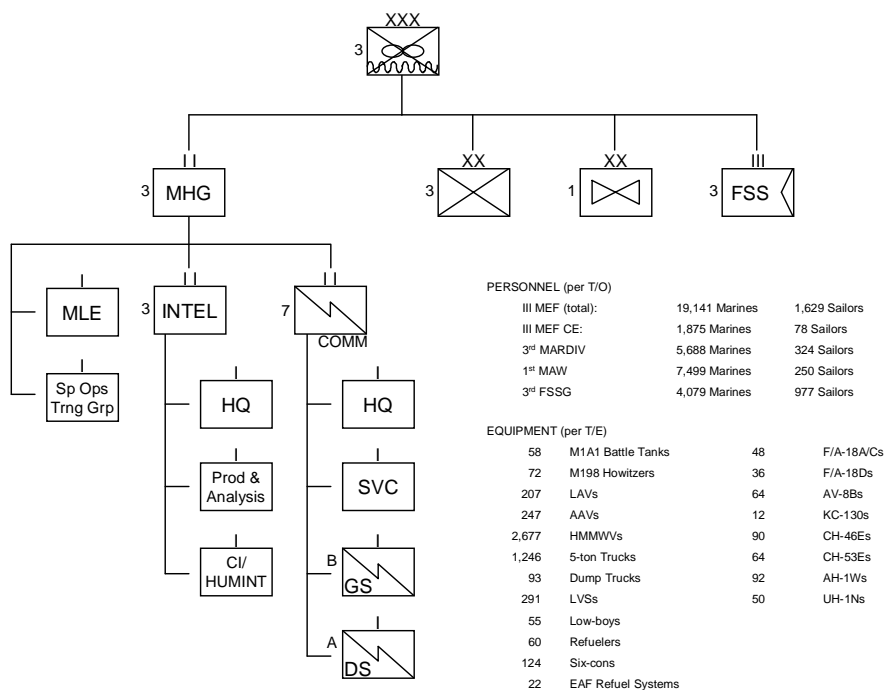


Figure 1-15. III Marine Expeditionary Force organization.

a. 3rd Marine Division

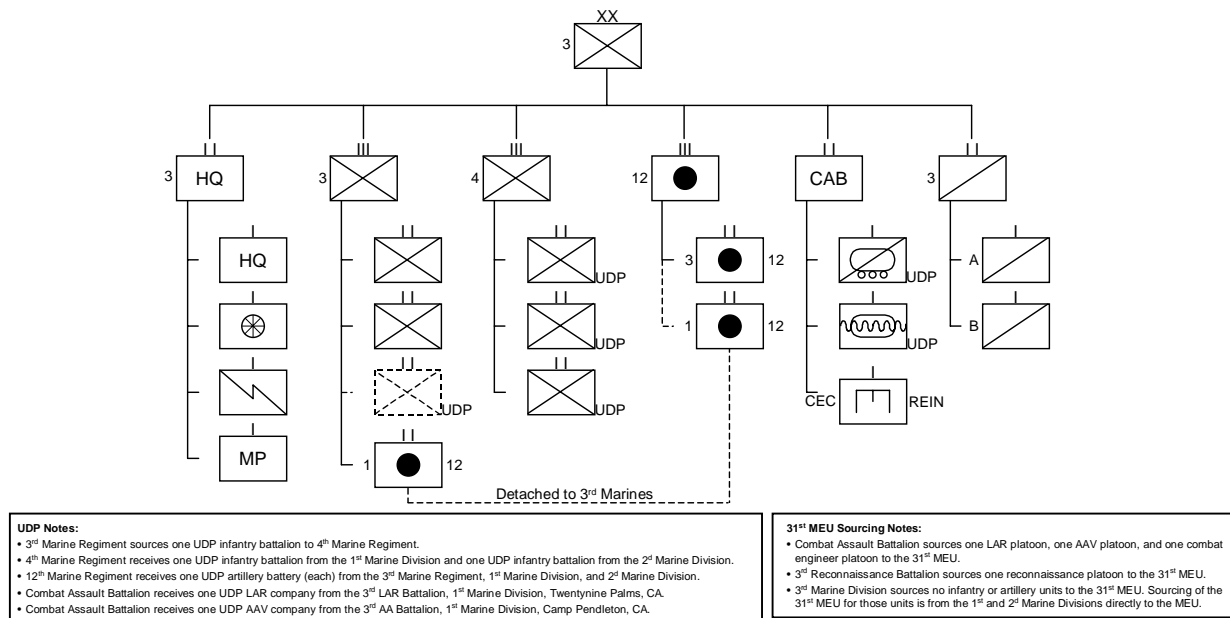


Figure 1-16. 3rd Marine Division organization.

b. 1st Marine Aircraft Wing

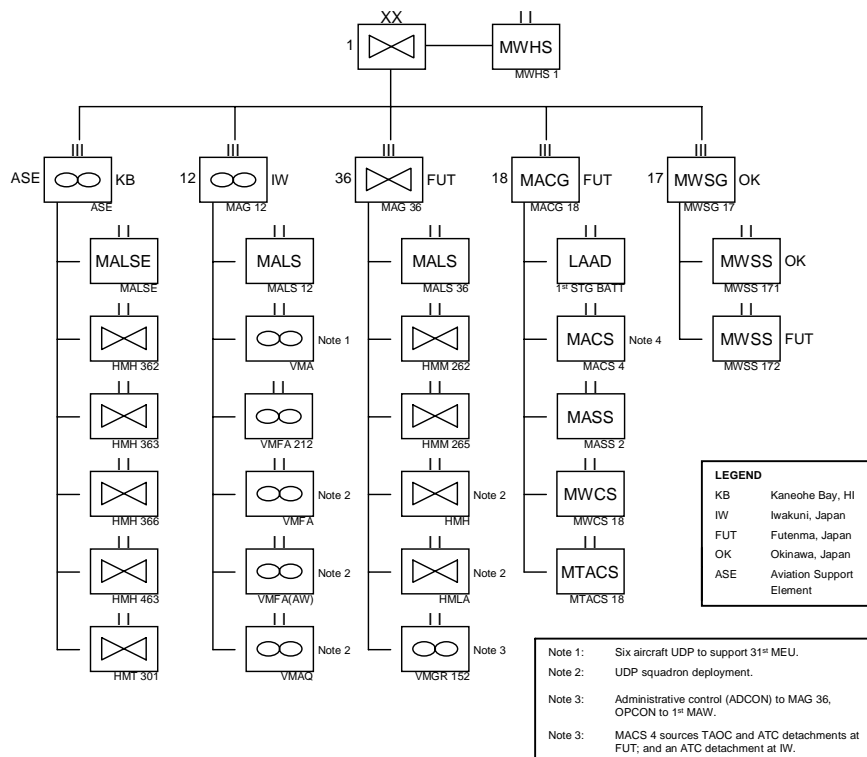


Figure 1-17. 1st Marine Aircraft Wing organization.

c. 3rd Force Service Support Group

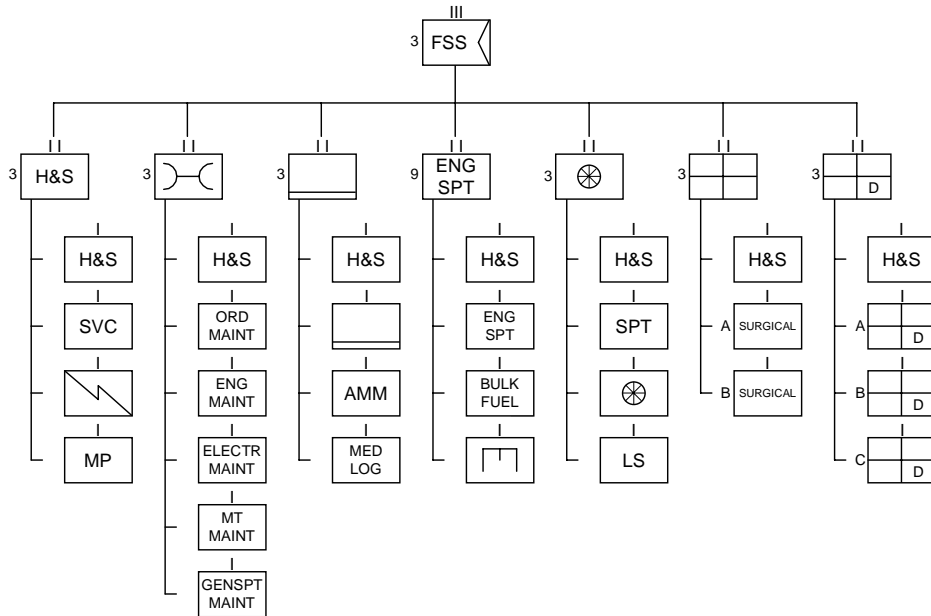
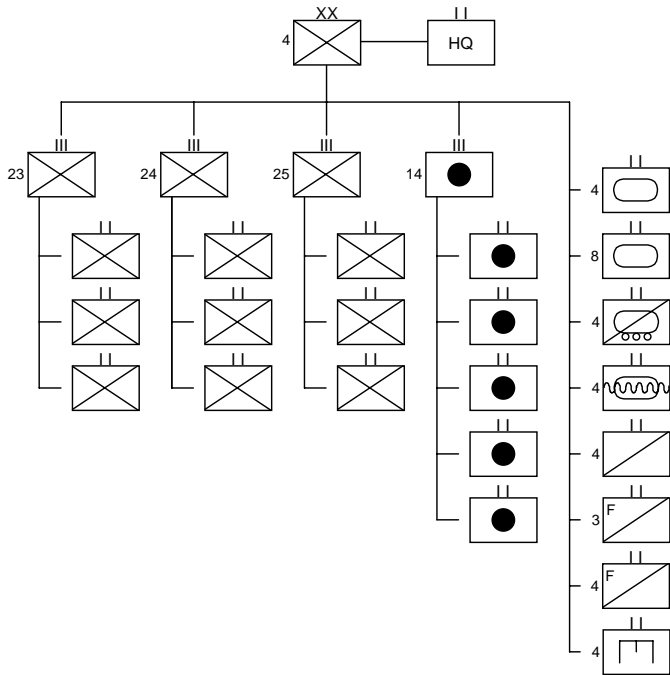


Figure 1-18. 3rd Force Service Support Group organization.

1008. Marine Corps Forces Reserve Organization

a. 4th Marine Division



HQ 23rd Marines San Bruno, CA	HQ 24th Marines Kansas City, MO	HQ 25th Marines Worcester, MA	HQ 14th Marines Fort Worth, TX
1st Bn, 23rd Marines Houston, TX	1st Bn, 24th Marines Detroit, MI	1st Bn, 25th Marines Devin, MA	1st Bn, 14th Marine Alameda, CA
2nd Bn, 23rd Marines Encino, CA	2nd Bn, 24th Marines Chicago, IL	2nd Bn, 25th Marines Garden City, NY	2nd Bn, 14th Marine Grand Prairie, TX
3rd Bn, 23rd Marines New Orleans, LA	3rd Bn, 24th Marines St. Louis, MO	3rd Bn, 25th Marines Brook Park, OH	3rd Bn, 14th Marine Philadelphia, PA
4th Tank Bn San Diego, CA	8th Tank Bn Rochester, NY	4th CEB Baltimore, MD	4th Bn, 14th Marine Bessemer, AL
4th AA Bn Tampa, FL	4th LAR Bn Camp Pendleton, CA	4th Recon Bn San Antonio, TX	5th Bn, 14th Marine Seal Beach, CA
4th Force Recon Co Reno, NV	3rd Force Recon Co Mobile, AL		
Honolulu, HI			

Figure 1-19. 4th Marine Division organization and unit locations.

b. 4th Marine Aircraft Wing

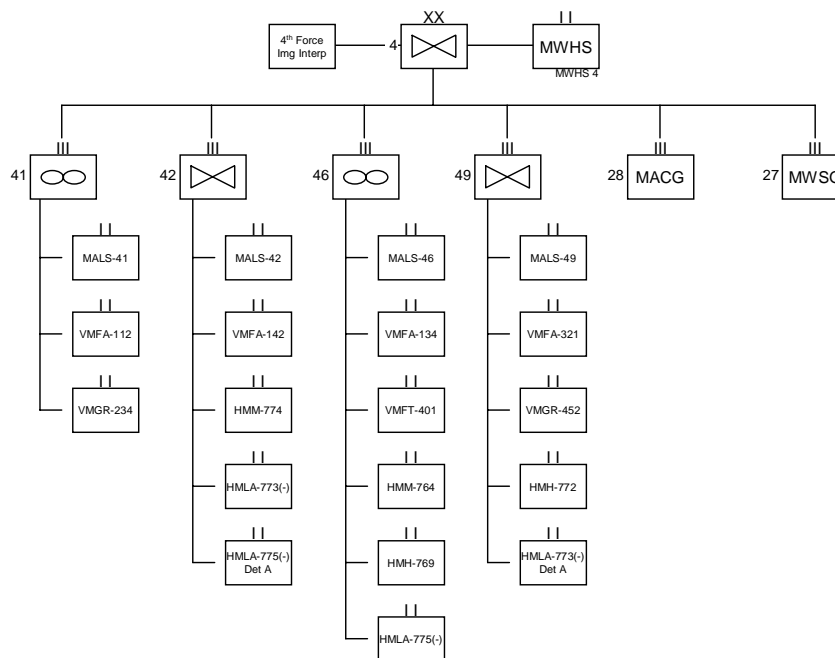


Figure 1-20. 4th Marine Aircraft Wing organization.

Andrews AFB, Wash DC MASD		New Orleans, LA MAW HQ 4 th FIU MWHS-4 4 th MAW Band		Belle Chase, LA MASD	
MACG-48	MWSG-47	MAG-41 (RW)	MAG-42 (RW)	MAG-46 (FW)	MAG-49 (RW)
Ft Sheridan, IL MTACS-48 MWCS-48 MWCS-48 Det A (Rear)	Selfridge, MI MWSS-472 Det B (RW)	Ft Worth, TX MALS-41 (FW) VMGR-234 (12 KC-130T) VMFA-112 (12 F/A-18A)	Marietta, GA MALS-42 (RW) HMLA-773(-) (12 AH-1W/6 UH-1N)	Miramar, CA MALS-46 (FW) VMFA-134 (12 F/A-18A)	Willow Grove, PA HMM-772 (8 CH-53E)
Miramar, CA MWCS-48 Det A (Fwd) MASS-6 (Fwd)	MWSS-473(-) (FW)	Minneapolis, MN MWSS-471 Det A (FW)	Atlanta, GA VMFA-142 (12 F/A-18A)	Camp Pendleton, CA MAG-46 Det A (RW) HMLA-775(-) (12 AH-1W/6 UH-1N)	Johnstown, PA HMLA-773 Det A (6 AH-1W/3 UH-1N)
Ft Worth, TX MACS-24 ATC Det A	MWSS-471(-) (FW)		Norfolk, VA MAG-42 Det B (RW) HMM-774 (12 CH-46E)		Andrews AFB, Wash DC MALS-49 Det A (RW) VMFA-321 (12 F/A-18)
Willow Grove, PA MACS-24 ATC Det B	MWSS-474(-) (RW)		Belle Chase, LA MAG-42 Det C (RW) HMLA-775 Det A (6 AH-1W/3 UH-1N)	Edwards AFB, CA MAG-46 Det B (RW) HMM-764 (12 CH-46E) HMM-769 (8 CH-53E)	Ft Stewart, NY MALS-49 Det B (RW) VMGR-452 (12 KC-130T)
Westover ARB, MA MASS-6 (Rear)	MWSS-474 Det B (RW)				
Marietta, GA LAAD Bn, H&S Det LAAD Bn, Btry B	MWSS-472(-) (RW)				
Aurora, CO MACS-23 MACS-23, TAOC	Green Bay, WI MWSS-471 Det B (FW)				
Cheyenne, WY MACS-23, EW/C Det	Wyoming, PA MWSS-472 Det A (RW)				
Damneck, VA MACS-24 MACS-24, TAOC	Fresno, CA MWSS-473 Det A (FW)				
Pasadena, CA 4 th LAAD Bn LAAD Bn, H&S (-) LAAD Bn, Btry A	Whidbey Is, WA MWSS-473 Det B (FW)				
	Johnstown, PA MWSS-474 Det A (RW)				

Table 1-1. 4th Marine Aircraft Wing unit locations and assets.

c. 4th Force Service Support Group

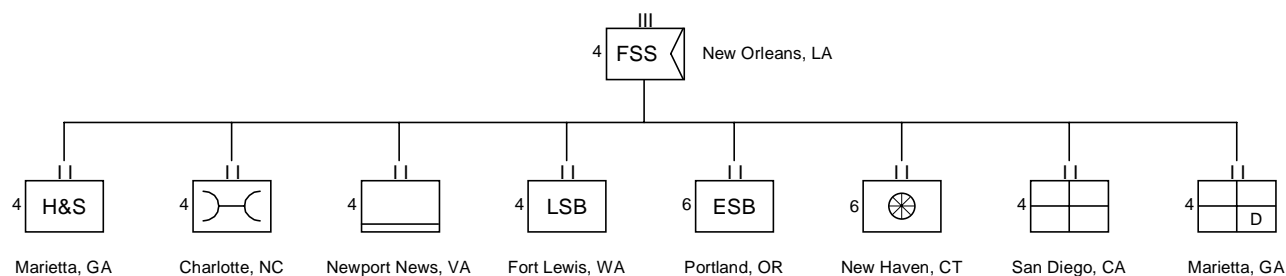
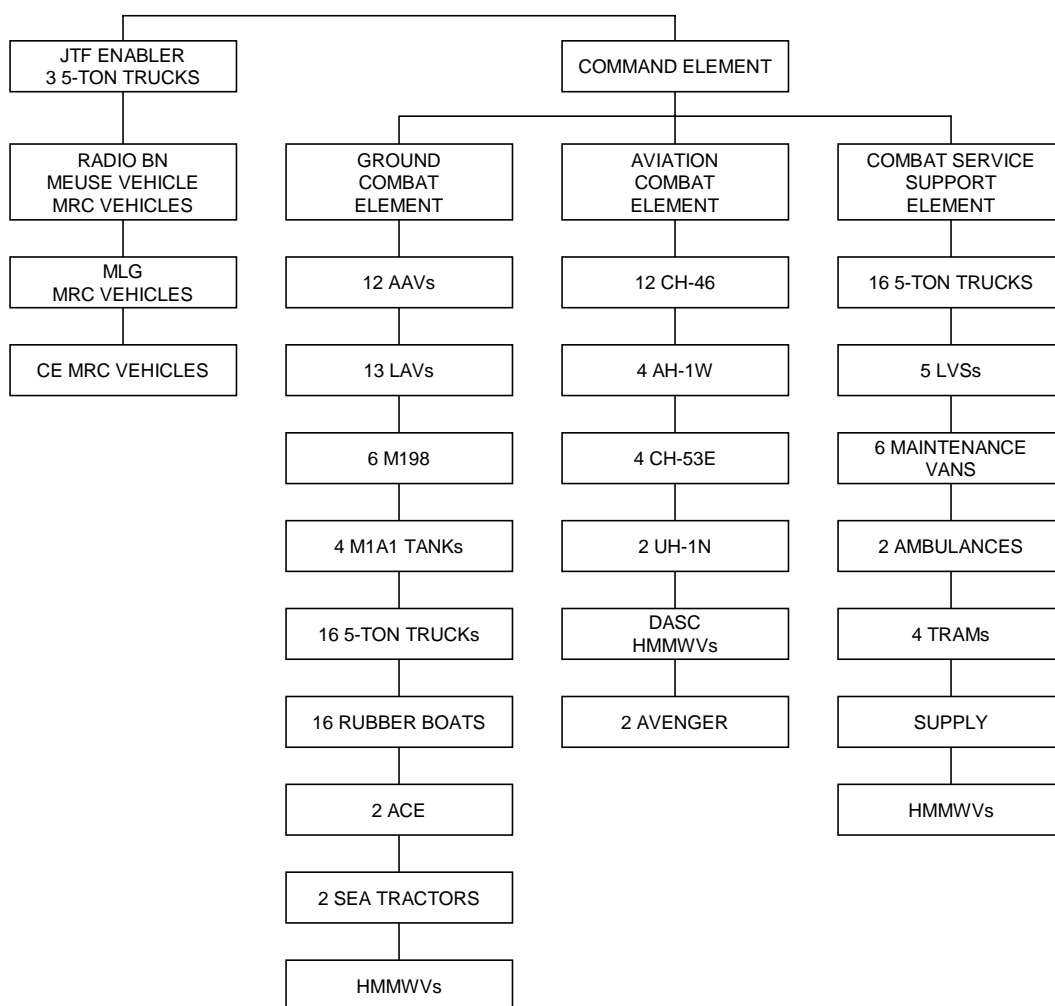


Figure 1-21. 4th Service Support Group organization and unit locations.

1009. Notional Marine Expeditionary Unit Organization



Note: Some MEU structural organizations include 5 AV-8B Harriers at the expense of other airframes.

Figure 1-22. Notional Marine expeditionary unit organization.

1010. Maritime Prepositioning Ship Squadron

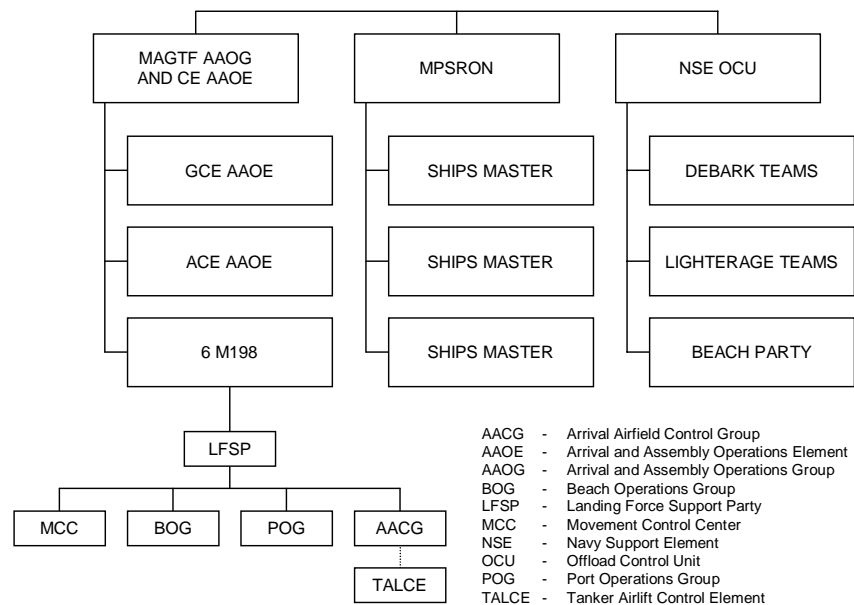


Figure 1-23. Maritime prepositioning ship squadron organization.

a. Maritime Prepositioning Ship Squadron Locations

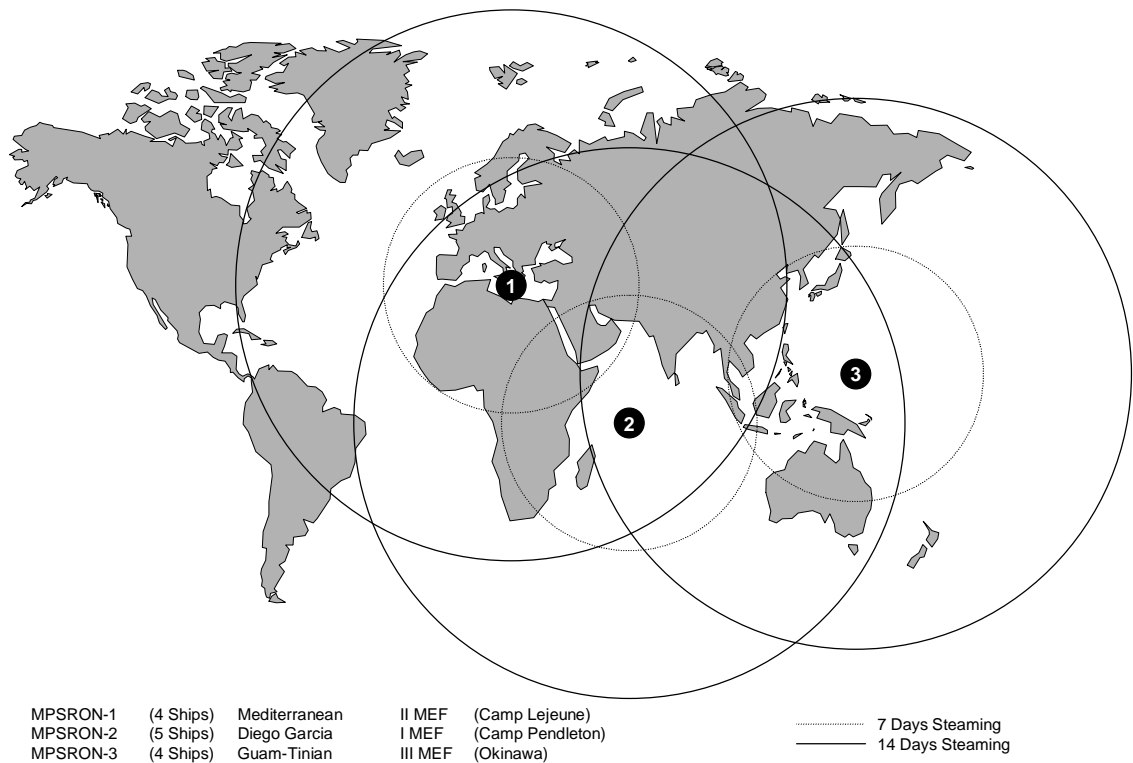


Figure 1-24. Maritime prepositioning ship squadron locations.

b. Phases of a Maritime Prepositioning Force Operation

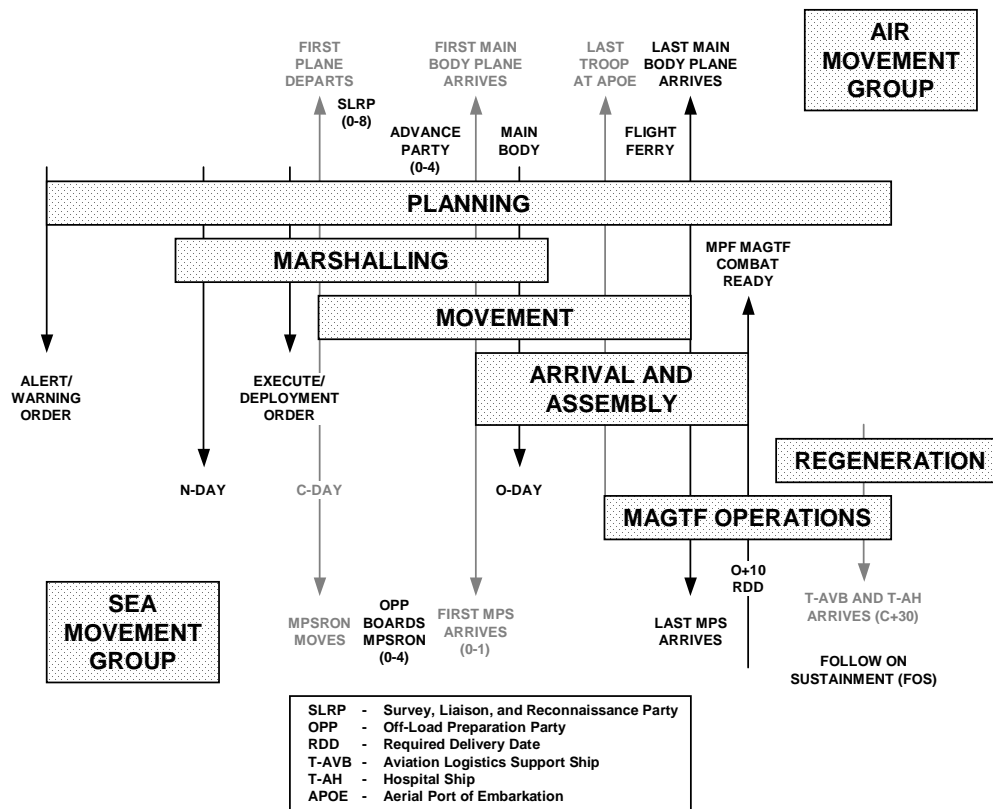


Figure 1-25. Phases of a maritime prepositioning force operation.

c. Naval Amphibious Group 1, 2, and 3 Organizations

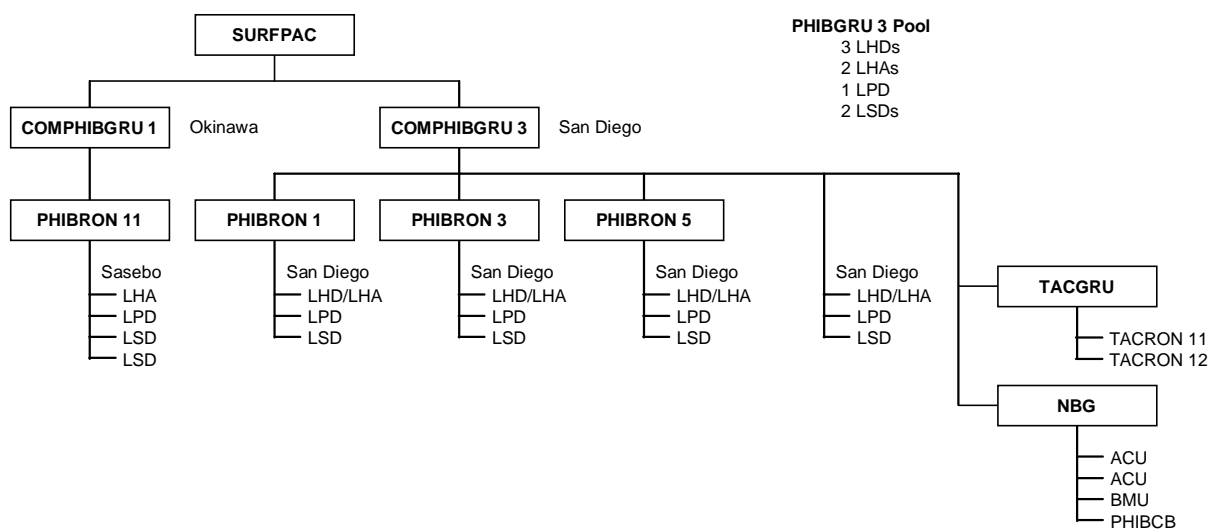


Figure 1-26. Amphibious Group 1 and 3 organization.

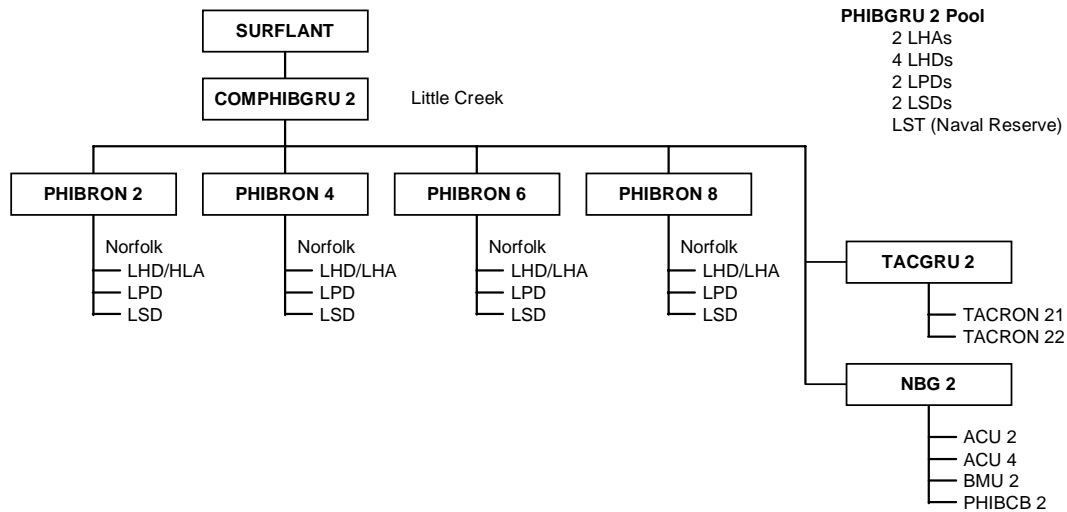
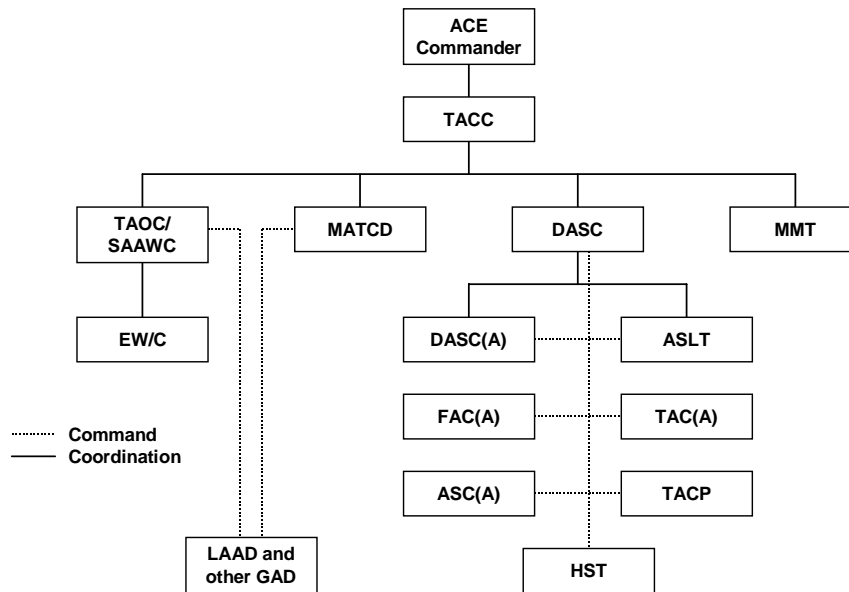


Figure 1-27. Amphibious Group 2 organization.

1011. Marine Air Command and Control System Organization



ACE	aviation combat element	LAAD	low altitude air defense
AD	air defense	MATCD	Marine air traffic control detachment
ASC(A)	assault support coordinator (airborne)	MMT	Marine air traffic control mobile team
ASLT	air support liaison team	SAAWC	sector anti-air warfare coordinator
DASC	direct air support center	TAC(A)	tactical air coordinator (airborne)
DASC(A)	direct air support center (airborne)	TACC	tactical air command center
EW/C	early warning and control site	TACP	tactical air control party
FAC(A)	forward air controller (airborne)	TAOC	tactical air operations center
HST	helicopter support team		

Figure 1-28. Marine Air Command and Control System organization.

1012. Engineer Forces

a. Combat Engineer Battalion

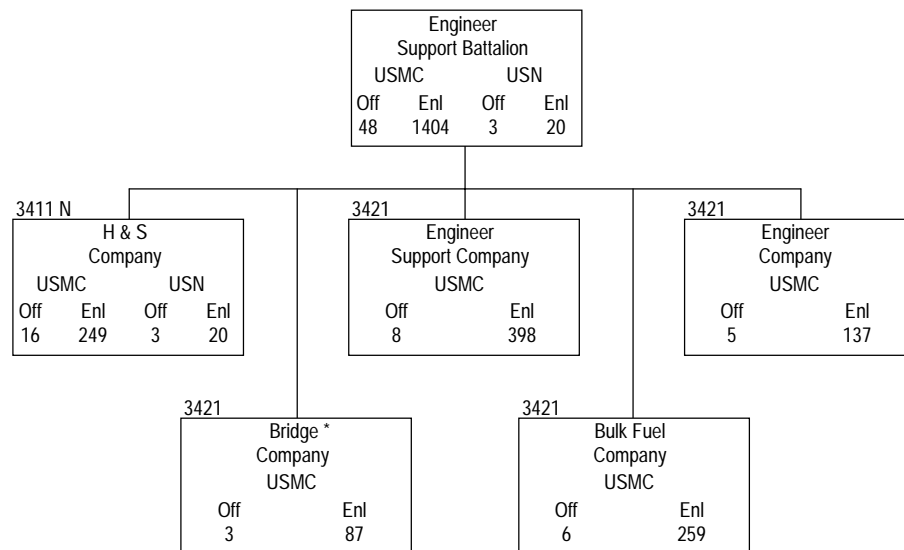
Major End Items	Quantity
Line Charge Launch Trailer	38
M9 Armored Combat Excavator (ACE)	16
SEE Tractor	15
621B Scraper-Tractor Wheeled	2
T5 Dozer (small)	18
D7 Dozer (medium)	5
10k lb Forklift with Bucket and Forks	10
5-Ton Truck	10
5-Ton Dump	24
HMMWV	15
40-Ton Tractor Trailer	3

Table 1-2. Combat engineer battalion equipment.

Selected tasks—

- Plan, organize, and coordinate the assault breaching of obstacles from the high-water mark inland.
- Employ assault bridging systems and other standard bridge systems.
- Expedient repair and reinforcement of existing bridges.
- Construct expedient, short-span bridges from local materials for ground combat operations.
- Expedient repair of existing roads and limited new construction of combat roads and trails.

b. Engineer Support Battalion



* Only 8th Engineer Support Battalion has an active bridge company.

Figure 1-29. Engineer support battalion organization.

Major End Items	Qty	Major End Items	Qty
Line Charge Launch Trailer	12	5-Ton Dump	38
M9 Armored Combat Excavator	5	HMMWV	69
SEE Tractor	5	40-Ton Tractor Trailer	2
621B Scraper-Tractor Wheeled	9	Mk18 Ribbon Bridge Trailer	24
T5 Dozer (small)	4	ROWPU	35
T7 Dozer (medium)	24	Fuel Storage System, 600k gallon	8
Road Grader	7	Concrete Mixer	3
Vibratory Compactor	4	10kw Generator	70
30-Ton Crane	5	30kw Generator	55
7 1/2-Ton Crane	10	60kw Generator	35
10k lb Forklift w/Bucket and Forks	12	100kw Generator	4
5-Ton Truck	8	Ribbon Brdg (6 th -0, 7 th -1, 8 th -3, 9 th -0)	4

Table 1-3. Engineer support battalion equipment.

Selected tasks—

- Surveying and drafting.
- Construct and maintain expeditionary airfields and main supply routes.
- Bulk fuel storage and distribution.
- Bridging.
- Vertical construction and horizontal construction.
- Bulk water production, storage, and distribution.

c. Marine Wing Support Squadron

8702				8702			
MWSS (Fixed Wing)				MWSS (Rotary Wing)			
USMC		USN		USMC		USN	
Off	Enl	Off	Enl	Off	Enl	Off	Enl
31	666	5	34	30	586	5	34

Figure 1-30. Marine wing support squadron organization.

Major End Items	Qty
SEE Tractor	2
T5 Dozer (small)	4
D7 Dozer (medium)	4
Road Grader	2
Vibratory Compactor	2 Fixed/1 Rotary
30-Ton Crane	2
4000 lb Forklift	6
10,000 lb Forklift w/bucket and forks	9 Fixed/8 Rotary
Excavator, Tracked	2 Fixed/1 Rotary
Helicopter Refueling System	2 Fixed/7 Rotary
Airfield Fuel Dispensing System	6 Fixed/4 Rotary
5,000 Gallon Semitrailer Refueler	10
ROWPU	12 Fixed/9 Rotary
5-Ton Truck, Long Bed	4
5-Ton Dump	6
Note: 3.8 million square feet of AM-2 EAF matting stored at Futenma, Okinawa, Japan	

Table 1-4. Marine wing support squadron equipment.

Selected tasks—

- Expeditionary airfield services to include repair, communications, lighting, and aircraft recovery.
- Refueling.
- Water purification, storage, and dispensing.
- Construction and maintenance of expedient roads.
- Construct expeditionary (AM2 matting) airfields.

d. Naval Mobile Construction Battalion

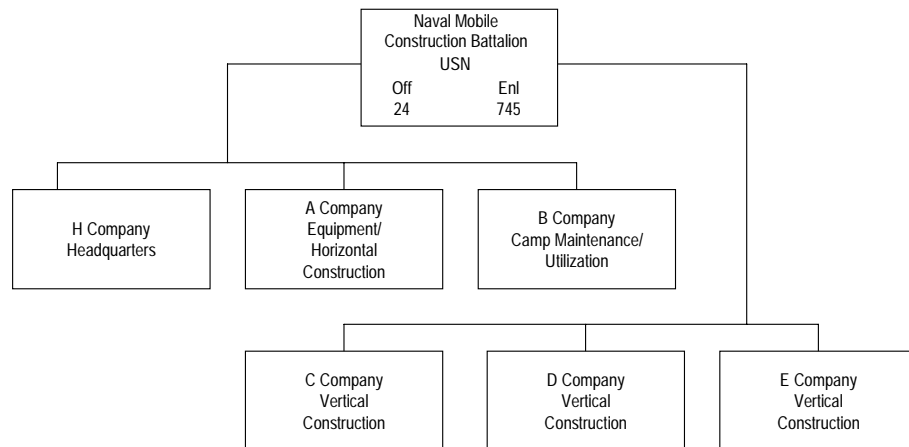


Figure 1-31. Naval mobile construction battalion organization.

Major End Items	Qty
Scraper	8
T5 Dozer (small)	2
D9 Dozer (large)	6
Road Grader	6
Roller Compactor	5
14-Ton Crane	2
35-Ton Crane	2
10,000 lb Forklift	10
12,000 lb Forklift	7
Excavator, Tracked	2
8-Ton Truck	24
8-Ton Dump	16
HMMWV	30
35-Ton Tractor Trailor	13
Fuel Storage Pillow, 10,000/3,000 gallon	4/3

Table 1-5. Naval mobile construction battalion equipment.

Selected tasks—

- Surveying and drafting.
- Improve beaches.
- Bridging.
- Vertical construction.

- Asphalt paving and other road construction.
- Construct expeditionary (AM2 matting) airfields.

1013. Small Craft Company

Small Craft Company			
USMC		USN	
Off	Enl	Off	Enl
4	74	0	2

Figure 1-32. Small craft company organization.

Major End Items	Qty
Riverine assault craft	17
Rigid raiding craft	47
Combat rubber reconnaissance craft	120
35-horsepower outboard motors	200
5-ton truck	12
HMMWV	10

Table 1-6. Small craft company equipment.

1014. Army Multiple Launch Rocket System Battalion (Corps Artillery)

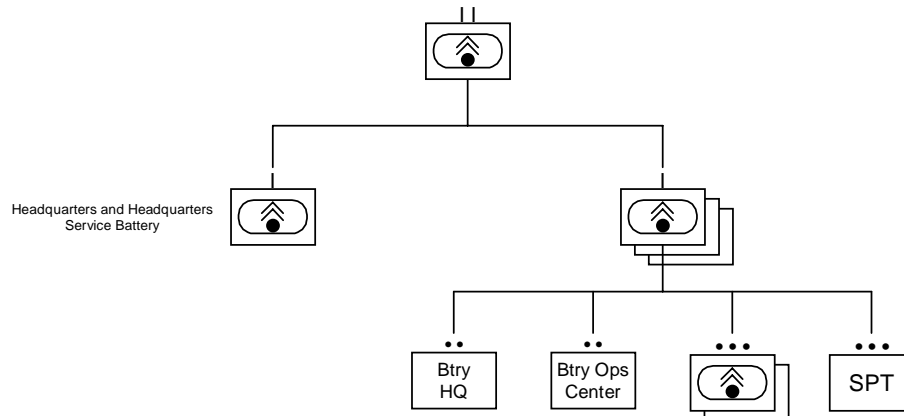


Figure 1-33. Army Multiple Launch Rocket System battalion organization.

Major End Items	Qty	Cruising Range
M270 MLRS launcher (2 rocket pods each)	18	483 km
M985 tactical truck (4 rocket pods each)	36	483 km
M989A1 ammunition trailer (4 rocket pods each)	37	N/A
M577 command post vehicle	12	480 km
HMMWV	46	443 km
M1078 2.5 ton truck (LMTV)	17	645 km
Note: Time to reload launcher is 20 minutes.		

Table 1-7. Army Multiple Launch Rocket System battalion equipment.